

QUALITY ASSURANCE INSPECTION

Project: Ouzinkie Bulkhead OUZ 100801				Report No: 010		
Project Number: 091120				Date: March 31, 2012		Shift: Day
Consultant: PND Engineers, Inc. (907) 561-1011				Day of the Week: Saturday		
WEATHER	Bright Sun	Clear	Overcast X	Rain	Snow	Other
TEMP (F)	Below 0	0-32	32-50 X	50-65	65-80	80+
WIND (mph)	Still 0-10 X	Mod 10-20	High 20+	Comments: Calm		
TIDE (ft)	High 8:17 AM +7.0'	Low 3:32 PM +1.5'	Comments: No waves			
<u>Name of Contractor</u>		<u>Supervisors</u>		<u>Manual</u>		<u>Remarks</u>
West Construction (West)		2		6		
CONTACTS						
<u>Name (first and last)</u>		<u>Title/Employer</u>		<u>Phone No.</u>		<u>Remarks</u>
Jim McHone		Superintendent, West		907-680-2289		
Dan Clarion		Mayor, City of Ouzinkie		907-680-2209		
FIELD ACTIVITIES						
<p>Work started at 7AM. The holes around the first two bollards were filled up to about +16' elevation with lifts compacted with the roller compactor. The piles were also filled. West's pile crew constructed a shed from two containers around the first bollard and cut it off at +21' elevation. The cap plate and bitt were welded on, the pile was sandblasted, and spray metalizing was applied. Metalizing was sprayed over the entire area (top 4 feet of pile) in at least 10 layers. The second bollard was cut off and the cap plate and bitt welded.</p> <p>The weld crew continued fabrication of the bollards. Bollard four was completed with the base plate welded.</p> <p>The excavator removed enough fill at the SW corner of the dock to install the the third bollard at the end of the face beam. The bollard was placed, but the holes for the bitt were not cut ahead of time so that the orientation of the pile did not matter. The excavator placed fill up to about 8 feet from the top of the hole, compacting with repeated impacts from the excavator bucket. The hole for the fourth bollard was dug and the fill process repeated.</p> <p><u>Equipment:</u> American 9260 125 ton crawler crane, West Robert L West barge, West Hitachi ZX650 long arm excavator, West Volvo L180C loader, West Ingersoll Rand VR-843C zoom boom, West ICE 42S Diesel Pile Hammer, West ICE 416 Vibratory Hammer, West Ingersoll Rand SD-160DX compactor, West Caterpillar D5X bulldozer, West</p> <p>*PHOTOS TAKEN*</p>						

CONSTRUCTION OBSERVER Colin Kuester DATE 3/31/2012



Photograph No. 1

Description:

The second bollard with fill and ramp for roller compactor to get into the hole.



Photograph No. 2

Description:

The shed built around the first bollard, welding in process.



Photograph No. 3

Description:

Bollard with fill inside.



Photograph No. 4

Description:

First bollard with welds and sandblasting complete.



Photograph No. 5

Description:

First bollard with spray metalizing nearly complete.



Photograph No. 6

Description:

Beginning the hole for the third bollard.



Photograph No. 7

Description:

Compacting around the third bollard with the excavator bucket.



Photograph No. 8

Description:

Both SW corner bollards in place.



Photograph No. 9

Description:

The first bollard complete with coating.